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MEMORANDUM

DATE: August 31, 2012

FROM: Mark Woodke, START-3 Chemist, E & E, Seattle, Washington *MW*

TO: Jeff Fetters, START-3 Project Manager, Seattle, Washington

SUBJ: **Organic Data Summary Check,
Fourth Avenue and Gamble Parking Lot Site, Anchorage, Alaska**

REF: TDD: 12-01-0004 PAN: 002233.0757.01SI

The data summary check of 20 water samples collected from the Fourth Avenue and Gamble Parking Lot site located in Anchorage, Alaska, has been completed. Analyses for Volatile Organic Compounds (VOCs) were performed by Liberty Analytical Corporation, Cary, North Carolina.

The samples were numbered:

JRZ77	JRZ78	JRZ79	JRZ80	JRZ82	JRZ83
JRZ84	JRZ85	JRZ87	JRZ92	JRZ94	JRZ96
JRZ97	JS059	JS060	JS061	JS062	JS063
JS066	JS067				

No discrepancies were noted.

Acetone results in samples JS062 and JS063 were qualified as estimated quantities with a high bias (JH) based on associated trip blank results. Acetone, carbon disulfide, and/or toluene results in samples JS066 and JS067 were qualified as not detected (U) based on trip blank results. Other positive sample results less than the Contract Required Quantitation Limit (CRQL) were not additionally qualified based on field blank results.





UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue
Seattle, Washington 98101

August 30, 2012

Reply to: Donald M. Brown
Attn of: OEA-095

MEMORANDUM

Subject: Data Validation Report for the Volatile Analysis of the Water Samples Collected for the Fourth Avenue & Gambell Parking Lot Site Inspection - Case Number 42677, SDG JRZ77

From: Donald M. Brown, QA Chemist ^{DMB}
USEPA Region 10, Office of Environmental Assessment, Environmental Services Unit

To: Brandon Perkins, Site Assessment Manager
USEPA Region 10, Office of Environmental Cleanup

CC: Renee Nordeen, Ecology & Environment, Inc.

The quality assurance (QA) review of the analytical data generated from the analysis of twenty (20) water samples collected from the above referenced site has been completed. These samples were analyzed for Volatile Organic Compounds (VOCs) by Liberty Analytical Corporation located in Cary, North Carolina.

All sample analyses were evaluated following EPA's Stage 4 Data Validation Electronic/Manual Process (S4VEM). The validation was conducted and appropriate qualifiers were applied according to the Quality Control Specifications outlined in the Sampling and Quality Assurance Plan for the Fourth Avenue and Gambell Parking Lot site (June 2012); the technical specifications of the EPA Contract Laboratory Program's (CLP) Statement of Work (SOW) for Multi-Media, Multi-Concentration Organic Analyses (SOM01.2); the Contract Laboratory Program's National Functional Guidelines for Organic Data Review; and the Guidance for Labeling Externally Validated Laboratory Analytical Data for Superfund Use (EPA-540-R08-005). Some of the data quality elements were qualified using the reviewer's professional judgment. The conclusions presented herein are based on the information provided for the review.

A summary of samples evaluated in this validation report and the pertinent dates for sample collection, sample receipt at the laboratory, extraction, and analyses is attached along with the validated data.

Sample JS060DL did not meet the holding time requirement (i.e., greater than fourteen days from sample collection to sample analysis) for the VOC analysis. Only toluene was reported from this dilution; therefore, the result was considered an estimate for this sample and was qualified "JK".

Due to matrix interferences, samples JRZ87 and JS063 were initially analyzed at twenty-fold (20X) dilutions by the laboratory. Results for these samples are reported from the diluted analyses and the reporting limits are elevated.

The following samples were reanalyzed at dilutions to bring the concentrations of the compounds listed below within the linear range of the instrument. Results for these compounds in these samples are reported from the diluted analyses and the reporting limits are elevated.

Dilution Factor	Sample Number	Affected Compound(s)
2X	JS060	Toluene
5X	JRZ82, JRZ84, JS059, JS061	Tetrachloroethene
20X	JRZ79	Tetrachloroethene
1000X	JS063	Acetone

I. QUALITY CONTROL RESULTS SUMMARY

Volatile Organic Analysis		
Quality Control Test	Outliers?	Evaluation Criteria
Blanks	Y*	Non-detect or < 5X Blank†
Initial Calibration	Y*	RRF < 0.05 or ≤ 30% RSD
Continuing Calibration Verification	Y*	RRF < 0.05 or Open: ≤ 25% D, Close: ≤ 50% D
Deuterated Monitoring Compounds	N	Varies by Compound
Internal Standards	N	50 – 200% of 12-hour standard

*See the Manual/Electronic Data Review Results section below for outliers and qualification of affected data.

†10X Blank for ketones or solvents.

(Note: RRF = Relative Response Factor, RSD = Relative Standard Deviation, D = Difference)

II. DATA QUALIFICATIONS

Summary of Validation Qualifiers Applied:

Data qualifications applied after the manual and electronic data review can be found in the attached "Manual/Electronic Data Review Results" section of this report.

Data Qualifiers

The following is a list of validation qualifiers applied to the sample result(s) when needed to indicate associated out-of-control QA/QC results.

Data Qualifiers	
U	The analyte was not detected at or above the reported result.
J	The analyte was positively identified. The associated numerical result is an estimate.
UJ	The analyte was not detected at or above the reported estimated result. The associated numerical value is an estimate of the quantitation limit of the analyte in this sample.
R	The data are unusable for all purposes.
N	There is evidence the analyte is present in this sample.
JN	There is evidence that the analyte is present. The associated numerical result is an estimate.

For site assessment and investigations, the following bias qualifiers are applied to the data in addition to the above data qualifiers when necessary to allow for data analysis and interpretation using Pre-Score software calculations for National Priority Listing Hazard Ranking Scoring (NPL-HRS).

Bias Qualifiers	
L	Low bias.
H	High bias.
Q	The result is estimated because the concentration is below the Contract Required Quantitation Limits (CRQLs).
K	Unknown bias.

Attachments:

- Sample Summary Report
- Manual/Electronic Data Review Results
- Analytical Sample Listing (Report #6)

Sample Summary Report

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JRZ77	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12284704	pH: 1.0	Sample Date: 07122012	Sample Time: 12:15:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/L	1.0	JB	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acctone	10	ug/L	1.0	JB	U	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	1.8	ug/L	1.0	J	JQ	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	JB	U	Yes	S4VEM
Bromochloromet hane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	JB	U	Yes	S4VEM
Carbon tetrachloride	0.42	ug/L	1.0	J	JQ	Yes	S4VEM
Benzene	0.44	ug/L	1.0	J	JQ	Yes	S4VEM
1,2-Dichloroethane	0.77	ug/L	1.0	J	JQ	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Methyleyclohexane	9.8	ug/L	1.0			Yes	S4VEM
1,2-Dichloropropane	6.4	ug/L	1.0			Yes	S4VEM
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	2.1	ug/L	1.0	J	JQ	Yes	S4VEM
4-Methyl-2-pentanone	1.9	ug/L	1.0	J	JQ	Yes	S4VEM
Toluene	5.0	ug/L	1.0	JB	U	Yes	S4VEM
trans-1,3-Dichloropropene	1.7	ug/L	1.0	J	JQ	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	7.8	ug/L	1.0			Yes	S4VEM
2-Hexanone	5.2	ug/L	1.0	J	JQ	Yes	S4VEM
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JRZ77MS	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location:	pH: 1.0	Sample Date: 07122012	Sample Time: 12:15:00
% Moisture: 0		% Solids:	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,1-Dichloroethene	55	ug/L	1.0	B		Yes	S4VEM
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	55	ug/L	1.0			Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichloroethene	53	ug/L	1.0			Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Toluene	57	ug/L	1.0	B		Yes	S4VEM
Chlorobenzene	53	ug/L	1.0			Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	10	ug/L	1.0	JB	UJ	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	2.2	ug/L	1.0	J	J	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	JB	UJ	Yes	S4VEM
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	JB	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	7.2	ug/L	1.0		U	Yes	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM

Case No:	42677	Contract:	EPW11032	SDG No:	JRZ77	Lab Code:	LIBRTY
Sample Number:	JRZ77MSD	Method:	VOA_Low_Med	Matrix:	Water	MA Number:	DEFAULT
Sample Location:		pH:	1.0	Sample Date:	07122012	Sample Time:	12:15:00
% Moisture :	0			% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	54	ug/L	1.0	B		Yes	S4VEM
Benzene	56	ug/L	1.0			Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichloroethene	53	ug/L	1.0			Yes	S4VEM
Toluene	57	ug/L	1.0	B		Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	54	ug/L	1.0			Yes	S4VEM
Trichlorofluoromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	10	ug/L	1.0	JB	UJ	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	2.0	ug/L	1.0	J	J	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	JB	UJ	Yes	S4VEM
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	JB	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	7.6	ug/L	1.0			Yes	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JRZ78	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12284705	pH: 1.0	Sample Date: 07132012	Sample Time: 13:39:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	10	ug/L	1.0	JB	U	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	JB	U	Yes	S4VEM
Bromo chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	JB	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	0.75	ug/L	1.0	J	JQ	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	5.0	ug/L	1.0	JB	U	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	0.79	ug/L	1.0	J	JQ	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	0.63	ug/L	1.0	J	JQ	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JRZ79	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12284706	pH: 1.0	Sample Date: 07142012	Sample Time: 17:26:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	10	ug/L	1.0	JB	U	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	JB	U	Yes	S4VEM
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	JB	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	0.58	ug/L	1.0	J	JQ	Yes	S4VEM
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	5.0	ug/L	1.0	JB	U	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	1400	ug/L	1.0	E	R	No	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Phosgene	98	ug/L	1.0	JN	JN	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JRZ79DL	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12284706	pH: 1.0	Sample Date: 07142012	Sample Time: 17:26:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	100	ug/L	20.0	U	R	No	S4VEM
Chloromethane	100	ug/L	20.0	U	R	No	S4VEM
Vinyl chloride	100	ug/L	20.0	U	R	No	S4VEM
Bromomethane	100	ug/L	20.0	U	R	No	S4VEM
Chloroethane	100	ug/L	20.0	U	R	No	S4VEM
Trichlorofluorom ethane	100	ug/L	20.0	U	R	No	S4VEM
1,1-Dichloroethene	100	ug/L	20.0	U	R	No	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	100	ug/L	20.0	U	R	No	S4VEM
Acctone	200	ug/L	20.0	JBD	R	No	S4VEM
Carbon Disulfide	100	ug/L	20.0	U	R	No	S4VEM
Methyl acetate	100	ug/L	20.0	U	R	No	S4VEM
Methylene chloride	34	ug/L	20.0	JD	R	No	S4VEM
trans-1,2-Dichloroethene	100	ug/L	20.0	U	R	No	S4VEM
Methyl tert-butyl ether	100	ug/L	20.0	U	R	No	S4VEM
1,1-Dichloroethane	100	ug/L	20.0	U	R	No	S4VEM
cis-1,2-Dichloroethene	100	ug/L	20.0	U	R	No	S4VEM
2-Butanone	200	ug/L	20.0	JBD	R	No	S4VEM
Bromochloromet hane	100	ug/L	20.0	U	R	No	S4VEM
Chloroform	100	ug/L	20.0	U	R	No	S4VEM
1,1,1-Trichloroethane	100	ug/L	20.0	U	R	No	S4VEM
Cyclohexane	100	ug/L	20.0	JBD	R	No	S4VEM
Carbon tetrachloride	100	ug/L	20.0	U	R	No	S4VEM
Benzene	100	ug/L	20.0	U	R	No	S4VEM
1,2-Dichloroethane	100	ug/L	20.0	U	R	No	S4VEM
1,4-Dioxane	2000	ug/L	20.0	U	R	No	S4VEM
Trichloroethene	100	ug/L	20.0	U	R	No	S4VEM
Methylcyclohexa ne	100	ug/L	20.0	U	R	No	S4VEM
1,2-Dichloropropane	100	ug/L	20.0	U	R	No	S4VEM
Bromodichlorom	100	ug/L	20.0	U	R	No	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	100	ug/L	20.0	U	R	No	S4VEM
cis-1,3-Dichloropropene	100	ug/L	20.0	U	R	No	S4VEM
4-Methyl-2-pentanone	200	ug/L	20.0	U	R	No	S4VEM
Toluene	100	ug/L	20.0	U	R	No	S4VEM
trans-1,3-Dichloropropene	100	ug/L	20.0	U	R	No	S4VEM
1,1,2-Trichloroethane	100	ug/L	20.0	U	R	No	S4VEM
Tetrachloroethene	1600	ug/L	20.0	D		Yes	S4VEM
2-Hexanone	200	ug/L	20.0	U	R	No	S4VEM
Dibromochloromethane	100	ug/L	20.0	U	R	No	S4VEM
1,2-Dibromoethane	100	ug/L	20.0	U	R	No	S4VEM
Chlorobenzene	100	ug/L	20.0	U	R	No	S4VEM
Ethylbenzene	100	ug/L	20.0	U	R	No	S4VEM
o-Xylene	100	ug/L	20.0	U	R	No	S4VEM
m,p-Xylene	100	ug/L	20.0	U	R	No	S4VEM
Styrene	100	ug/L	20.0	U	R	No	S4VEM
Bromoform	100	ug/L	20.0	U	R	No	S4VEM
Isopropylbenzene	100	ug/L	20.0	U	R	No	S4VEM
1,1,2,2-Tetrachloroethane	100	ug/L	20.0	U	R	No	S4VEM
1,3-Dichlorobenzene	100	ug/L	20.0	U	R	No	S4VEM
1,4-Dichlorobenzene	100	ug/L	20.0	U	R	No	S4VEM
1,2-Dichlorobenzene	100	ug/L	20.0	U	R	No	S4VEM
1,2-Dibromo-3-chloropropane	100	ug/L	20.0	U	R	No	S4VEM
1,2,4-Trichlorobenzene	100	ug/L	20.0	U	R	No	S4VEM
1,2,3-Trichlorobenzene	100	ug/L	20.0	U	R	No	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JRZ80	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12284707	pH: 1.0	Sample Date: 07132012	Sample Time: 12:15:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	10	ug/L	1.0	JB	U	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	JB	U	Yes	S4VEM
Bromochloromet hane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	0.63	ug/L	1.0	J	JQ	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	JB	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylecyclohexa ne	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	5.0	ug/L	1.0	JB	U	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	1.1	ug/L	1.0	J	JQ	Yes	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JRZ82	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12294698	pH: 1.0	Sample Date: 07152012	Sample Time: 19:25:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	10	ug/L	1.0	JB	U	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	JB	U	Yes	S4VEM
Bromochloromet hane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	JB	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	5.0	ug/L	1.0	JB	U	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	350	ug/L	1.0	E	R	No	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JRZ82DL	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12294698	pH: 1.0	Sample Date: 07152012	Sample Time: 19:25:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	25	ug/L	5.0	U	R	No	S4VEM
Chloromethane	25	ug/L	5.0	U	R	No	S4VEM
Vinyl chloride	25	ug/L	5.0	U	R	No	S4VEM
Bromomethane	25	ug/L	5.0	U	R	No	S4VEM
Chloroethane	25	ug/L	5.0	U	R	No	S4VEM
Trichlorofluorom ethane	25	ug/L	5.0	U	R	No	S4VEM
1,1-Dichloroethene	25	ug/L	5.0	JBD	R	No	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	25	ug/L	5.0	U	R	No	S4VEM
Acetone	50	ug/L	5.0	JBD	R	No	S4VEM
Carbon Disulfide	25	ug/L	5.0	U	R	No	S4VEM
Methyl acetate	25	ug/L	5.0	U	R	No	S4VEM
Methylene chloride	8.0	ug/L	5.0	JD	R	No	S4VEM
trans-1,2-Dichloroethene	25	ug/L	5.0	U	R	No	S4VEM
Methyl tert-butyl ether	25	ug/L	5.0	U	R	No	S4VEM
1,1-Dichloroethane	25	ug/L	5.0	U	R	No	S4VEM
cis-1,2-Dichloroethene	25	ug/L	5.0	U	R	No	S4VEM
2-Butanone	50	ug/L	5.0	JBD	R	No	S4VEM
Bromochloromet hane	25	ug/L	5.0	U	R	No	S4VEM
Chloroform	25	ug/L	5.0	U	R	No	S4VEM
1,1,1-Trichloroethane	25	ug/L	5.0	U	R	No	S4VEM
Cyclohexane	25	ug/L	5.0	JBD	R	No	S4VEM
Carbon tetrachloride	25	ug/L	5.0	U	R	No	S4VEM
Benzene	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dichloroethane	25	ug/L	5.0	U	R	No	S4VEM
1,4-Dioxane	500	ug/L	5.0	U	R	No	S4VEM
Trichloroethene	25	ug/L	5.0	U	R	No	S4VEM
Methylcyclohexa ne	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dichloropropane	25	ug/L	5.0	U	R	No	S4VEM
Bromodichlorom	25	ug/L	5.0	U	R	No	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	25	ug/L	5.0	U	R	No	S4VEM
cis-1,3-Dichloropropene	25	ug/L	5.0	U	R	No	S4VEM
4-Methyl-2-pentanone	50	ug/L	5.0	U	R	No	S4VEM
Toluene	25	ug/L	5.0	JBD	R	No	S4VEM
trans-1,3-Dichloropropene	25	ug/L	5.0	U	R	No	S4VEM
1,1,2-Trichloroethane	25	ug/L	5.0	U	R	No	S4VEM
Tetrachloroethene	350	ug/L	5.0	D		Yes	S4VEM
2-Hexanone	50	ug/L	5.0	U	R	No	S4VEM
Dibromochloromethane	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dibromoethane	25	ug/L	5.0	U	R	No	S4VEM
Chlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
Ethylbenzene	25	ug/L	5.0	U	R	No	S4VEM
o-Xylene	25	ug/L	5.0	U	R	No	S4VEM
m,p-Xylene	25	ug/L	5.0	U	R	No	S4VEM
Styrene	25	ug/L	5.0	U	R	No	S4VEM
Bromoform	25	ug/L	5.0	U	R	No	S4VEM
Isopropylbenzene	25	ug/L	5.0	U	R	No	S4VEM
1,1,2,2-Tetrachloroethane	25	ug/L	5.0	U	R	No	S4VEM
1,3-Dichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
1,4-Dichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dibromo-3-chloropropane	25	ug/L	5.0	U	R	No	S4VEM
1,2,4-Trichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
1,2,3-Trichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JRZ83	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12284804	pH: 1.0	Sample Date: 07132012	Sample Time: 17:00:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	10	ug/L	1.0	JB	U	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	1.8	ug/L	1.0	J	JQ	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	JB	U	Yes	S4VEM
Bromochloromet hane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	JB	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylecyclohexa ne	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	5.0	ug/L	1.0	JB	U	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	53	ug/L	1.0			Yes	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRITY
Sample Number: JRZ84	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12294700	pH: 1.0	Sample Date: 07162012	Sample Time: 11:15:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	10	ug/L	1.0	JB	U	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	JB	U	Yes	S4VEM
Bromochloromet hane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	0.87	ug/L	1.0	J	JQ	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	JB	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	5.0	ug/L	1.0	JB	U	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	340	ug/L	1.0	E	R	No	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Silanol, trimethyl-	17	ug/L	1.0	JN	R	No	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JRZ84DL	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12294700	pH: 1.0	Sample Date: 07162012	Sample Time: 11:15:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	25	ug/L	5.0	U	R	No	S4VEM
Chloromethane	25	ug/L	5.0	U	R	No	S4VEM
Vinyl chloride	25	ug/L	5.0	U	R	No	S4VEM
Bromomethane	25	ug/L	5.0	U	R	No	S4VEM
Chloroethane	25	ug/L	5.0	U	R	No	S4VEM
Trichlorofluorom ethane	25	ug/L	5.0	U	R	No	S4VEM
1,1-Dichloroethene	25	ug/L	5.0	U	R	No	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	25	ug/L	5.0	U	R	No	S4VEM
Acetone	50	ug/L	5.0	JBD	R	No	S4VEM
Carbon Disulfide	25	ug/L	5.0	U	R	No	S4VEM
Methyl acetate	25	ug/L	5.0	U	R	No	S4VEM
Methylene chloride	8.9	ug/L	5.0	JD	R	No	S4VEM
trans-1,2-Dichloroethene	25	ug/L	5.0	U	R	No	S4VEM
Methyl tert-butyl ether	25	ug/L	5.0	U	R	No	S4VEM
1,1-Dichloroethane	25	ug/L	5.0	U	R	No	S4VEM
cis-1,2-Dichloroethene	25	ug/L	5.0	U	R	No	S4VEM
2-Butanone	50	ug/L	5.0	JBD	R	No	S4VEM
Bromochloromet hane	25	ug/L	5.0	U	R	No	S4VEM
Chloroform	25	ug/L	5.0	U	R	No	S4VEM
1,1,1-Trichloroethane	25	ug/L	5.0	U	R	No	S4VEM
Cyclohexane	25	ug/L	5.0	JBD	R	No	S4VEM
Carbon tetrachloride	25	ug/L	5.0	U	R	No	S4VEM
Benzene	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dichloroethane	25	ug/L	5.0	U	R	No	S4VEM
1,4-Dioxane	500	ug/L	5.0	U	R	No	S4VEM
Trichloroethene	25	ug/L	5.0	U	R	No	S4VEM
Methylcyclohexa ne	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dichloropropane	25	ug/L	5.0	U	R	No	S4VEM
Bromodichlorom	25	ug/L	5.0	U	R	No	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	25	ug/L	5.0	U	R	No	S4VEM
cis-1,3-Dichloropropene	25	ug/L	5.0	U	R	No	S4VEM
4-Methyl-2-pentanone	50	ug/L	5.0	U	R	No	S4VEM
Toluene	25	ug/L	5.0	U	R	No	S4VEM
trans-1,3-Dichloropropene	25	ug/L	5.0	U	R	No	S4VEM
1,1,2-Trichloroethane	25	ug/L	5.0	U	R	No	S4VEM
Tetrachloroethene	360	ug/L	5.0	D		Yes	S4VEM
2-Hexanone	50	ug/L	5.0	U	R	No	S4VEM
Dibromochloromethane	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dibromoethane	25	ug/L	5.0	U	R	No	S4VEM
Chlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
Ethylbenzene	25	ug/L	5.0	U	R	No	S4VEM
o-Xylene	25	ug/L	5.0	U	R	No	S4VEM
m,p-Xylene	25	ug/L	5.0	U	R	No	S4VEM
Styrene	25	ug/L	5.0	U	R	No	S4VEM
Bromoform	25	ug/L	5.0	U	R	No	S4VEM
Isopropylbenzene	25	ug/L	5.0	U	R	No	S4VEM
1,1,2,2-Tetrachloroethane	25	ug/L	5.0	U	R	No	S4VEM
1,3-Dichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
1,4-Dichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dibromo-3-chloropropane	25	ug/L	5.0	U	R	No	S4VEM
1,2,4-Trichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
1,2,3-Trichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JR277	Lab Code: LIBRTY
Sample Number: JRZ85	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12294701	pH: 1.0	Sample Date: 07162012	Sample Time: 17:20:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/L	1.0	JB	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	10	ug/L	1.0	JB	U	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	1.9	ug/L	1.0	J	JQ	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	JB	U	Yes	S4VEM
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	JB	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	5.0	ug/L	1.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	72	ug/L	1.0			Yes	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRITY
Sample Number: JRZ87	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12294703	pH: 1.0	Sample Date: 07172012	Sample Time: 09:03:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	100	ug/L	20.0	U	U	Yes	S4VEM
Chloromethane	100	ug/L	20.0	U	U	Yes	S4VEM
Vinyl chloride	100	ug/L	20.0	U	U	Yes	S4VEM
Bromomethane	100	ug/L	20.0	U	U	Yes	S4VEM
Chloroethane	100	ug/L	20.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	100	ug/L	20.0	U	U	Yes	S4VEM
1,1-Dichloroethene	100	ug/L	20.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	100	ug/L	20.0	U	U	Yes	S4VEM
Acetone	200	ug/L	20.0	JB	U	Yes	S4VEM
Carbon Disulfide	100	ug/L	20.0	U	U	Yes	S4VEM
Methyl acetate	100	ug/L	20.0	U	U	Yes	S4VEM
Methylene chloride	40	ug/L	20.0	J	JQ	Yes	S4VEM
trans-1,2-Dichloroethene	100	ug/L	20.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	100	ug/L	20.0	U	U	Yes	S4VEM
1,1-Dichloroethane	100	ug/L	20.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	100	ug/L	20.0	U	U	Yes	S4VEM
2-Butanone	200	ug/L	20.0	JB	U	Yes	S4VEM
Bromochloromet hane	100	ug/L	20.0	U	U	Yes	S4VEM
Chloroform	100	ug/L	20.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	100	ug/L	20.0	U	U	Yes	S4VEM
Cyclohexane	100	ug/L	20.0	JB	U	Yes	S4VEM
Carbon tetrachloride	100	ug/L	20.0	U	U	Yes	S4VEM
Benzene	100	ug/L	20.0	U	U	Yes	S4VEM
1,2-Dichloroethane	100	ug/L	20.0	U	U	Yes	S4VEM
1,4-Dioxane	2000	ug/L	20.0	U	R	Yes	S4VEM
Trichloroethene	100	ug/L	20.0	U	U	Yes	S4VEM
Methylcyclohexa ne	100	ug/L	20.0	U	U	Yes	S4VEM
1,2-Dichloropropane	100	ug/L	20.0	U	U	Yes	S4VEM
Bromodichlorom	100	ug/L	20.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	100	ug/L	20.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	100	ug/L	20.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	200	ug/L	20.0	U	U	Yes	S4VEM
Toluene	100	ug/L	20.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	100	ug/L	20.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	100	ug/L	20.0	U	U	Yes	S4VEM
Tetrachloroethene	100	ug/L	20.0	U	U	Yes	S4VEM
2-Hexanone	200	ug/L	20.0	U	U	Yes	S4VEM
Dibromochloromethane	100	ug/L	20.0	U	U	Yes	S4VEM
1,2-Dibromoethane	100	ug/L	20.0	U	U	Yes	S4VEM
Chlorobenzene	100	ug/L	20.0	U	U	Yes	S4VEM
Ethylbenzene	100	ug/L	20.0	U	U	Yes	S4VEM
o-Xylene	100	ug/L	20.0	U	U	Yes	S4VEM
m,p-Xylene	100	ug/L	20.0	U	U	Yes	S4VEM
Styrene	100	ug/L	20.0	U	U	Yes	S4VEM
Bromoform	100	ug/L	20.0	U	U	Yes	S4VEM
Isopropylbenzene	100	ug/L	20.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	100	ug/L	20.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	100	ug/L	20.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	100	ug/L	20.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	100	ug/L	20.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	100	ug/L	20.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	100	ug/L	20.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	100	ug/L	20.0	U	U	Yes	S4VEM
Benzene, 4-ethyl-1,2-dimethyl-	1400	ug/L	20.0	JN	JN	Yes	S4VEM
Naphthalene, decahydro-2-methyl-(1)	1200	ug/L	20.0	JN	JN	Yes	S4VEM
Benzene, 1,2,3,5-tetramethyl-	970	ug/L	20.0	JN	JN	Yes	S4VEM
Undecane, 2,6-dimethyl-	3900	ug/L	20.0	JN	JN	Yes	S4VEM
Naphthalene, decahydro-2-methyl-	1200	ug/L	20.0	JN	JN	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Total Alkane TICs	6800	ug/L	20.0	J	JN	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JRZ92	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12284712	pH: 1.0	Sample Date: 07132012	Sample Time: 08:35:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/L	1.0	JB	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	10	ug/L	1.0	JB	U	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	1.6	ug/L	1.0	J	JQ	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	JB	U	Yes	S4VEM
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	JB	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	5.0	ug/L	1.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JRZ94	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12284714	pH: 1.0	Sample Date: 07122012	Sample Time: 17:37:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/L	1.0	JB	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	10	ug/L	1.0	JB	U	Yes	S4VEM
Carbon Disulfide	0.50	ug/L	1.0	J	JQ	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	1.6	ug/L	1.0	J	JQ	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	JB	U	Yes	S4VEM
Bromochloromet hane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	JB	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	5.0	ug/L	1.0	U	U	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JRZ96	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12284716	pH: 1.0	Sample Date: 07142012	Sample Time: 08:10:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	3.9	ug/L	1.0	J	JQ	Yes	S4VEM
Carbon Disulfide	0.45	ug/L	1.0	J	JQ	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	5.0	ug/L	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	U	U	Yes	S4VEM
Bromochloromet hane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	0.64	ug/L	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JRZ97	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12294755	pH: 1.0	Sample Date: 07152012	Sample Time: 09:15:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	4.1	ug/L	1.0	J	JQ	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	5.0	ug/L	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	U	U	Yes	S4VEM
Bromochloromet hane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	0.60	ug/L	1.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JS059	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12294751	pH: 1.0	Sample Date: 07152012	Sample Time: 16:50:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	8.1	ug/L	1.0	J	JQ	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	5.0	ug/L	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	U	U	Yes	S4VEM
Bromochloromet hane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	0.44	ug/L	1.0	J	JQ	Yes	S4VEM
Methylcyclohexa ne	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	55	ug/L	1.0			Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	360	ug/L	1.0	E	R	No	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	0.70	ug/L	1.0	J	JQ	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM

Case No:	42677	Contract:	EPW11032	SDG No:	JRZ77	Lab Code:	LIBRTY
Sample Number:	JS059DL	Method:	VOA_Low_Med	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	12294751	pH:	1.0	Sample Date:	07152012	Sample Time:	16:50:00
% Moisture :		% Solids :					

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	25	ug/L	5.0	U	R	No	S4VEM
Chloromethane	25	ug/L	5.0	U	R	No	S4VEM
Vinyl chloride	25	ug/L	5.0	U	R	No	S4VEM
Bromomethane	25	ug/L	5.0	U	R	No	S4VEM
Chloroethane	25	ug/L	5.0	U	R	No	S4VEM
Trichlorofluorom ethane	25	ug/L	5.0	U	R	No	S4VEM
1,1-Dichloroethene	25	ug/L	5.0	U	R	No	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	25	ug/L	5.0	U	R	No	S4VEM
Acetone	27	ug/L	5.0	JD	R	No	S4VEM
Carbon Disulfide	25	ug/L	5.0	U	R	No	S4VEM
Methyl acetate	25	ug/L	5.0	U	R	No	S4VEM
Methylene chloride	25	ug/L	5.0	JBD	R	No	S4VEM
trans-1,2-Dichloroethene	25	ug/L	5.0	U	R	No	S4VEM
Methyl tert-butyl ether	25	ug/L	5.0	U	R	No	S4VEM
1,1-Dichloroethane	25	ug/L	5.0	U	R	No	S4VEM
cis-1,2-Dichloroethene	25	ug/L	5.0	U	R	No	S4VEM
2-Butanone	50	ug/L	5.0	U	R	No	S4VEM
Bromochloromet hane	25	ug/L	5.0	U	R	No	S4VEM
Chloroform	25	ug/L	5.0	U	R	No	S4VEM
1,1,1-Trichloroethane	25	ug/L	5.0	U	R	No	S4VEM
Cyclohexane	25	ug/L	5.0	U	R	No	S4VEM
Carbon tetrachloride	25	ug/L	5.0	U	R	No	S4VEM
Benzene	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dichloroethane	25	ug/L	5.0	U	R	No	S4VEM
1,4-Dioxane	500	ug/L	5.0	U	R	No	S4VEM
Trichloroethene	25	ug/L	5.0	U	R	No	S4VEM
Methylcyclohexa ne	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dichloropropane	25	ug/L	5.0	U	R	No	S4VEM
Bromodichlorom	25	ug/L	5.0	U	R	No	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	25	ug/L	5.0	U	R	No	S4VEM
cis-1,3-Dichloropropene	25	ug/L	5.0	U	R	No	S4VEM
4-Methyl-2-pentanone	50	ug/L	5.0	U	R	No	S4VEM
Toluene	53	ug/L	5.0	D	R	No	S4VEM
trans-1,3-Dichloropropene	25	ug/L	5.0	U	R	No	S4VEM
1,1,2-Trichloroethane	25	ug/L	5.0	U	R	No	S4VEM
Tetrachloroethene	300	ug/L	5.0	D	JK	Yes	S4VEM
2-Hexanone	50	ug/L	5.0	U	R	No	S4VEM
Dibromochloromethane	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dibromoethane	25	ug/L	5.0	U	R	No	S4VEM
Chlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
Ethylbenzene	25	ug/L	5.0	U	R	No	S4VEM
o-Xylene	25	ug/L	5.0	U	R	No	S4VEM
m,p-Xylene	25	ug/L	5.0	U	R	No	S4VEM
Styrene	25	ug/L	5.0	U	R	No	S4VEM
Bromoform	25	ug/L	5.0	U	R	No	S4VEM
Isopropylbenzene	25	ug/L	5.0	U	R	No	S4VEM
1,1,2,2-Tetrachloroethane	25	ug/L	5.0	U	R	No	S4VEM
1,3-Dichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
1,4-Dichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dibromo-3-chloropropane	25	ug/L	5.0	U	R	No	S4VEM
1,2,4-Trichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
1,2,3-Trichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JS060	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12294752	pH: 1.0	Sample Date: 07152012	Sample Time: 17:02:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	0.84	ug/L	1.0	J	JQ	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	8.3	ug/L	1.0	J	JQ	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	5.0	ug/L	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	U	U	Yes	S4VEM
Bromochloromet hane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	220	ug/L	1.0	E	R	No	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	5.7	ug/L	1.0			Yes	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	0.63	ug/L	1.0	J	JQ	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	1.1	ug/L	1.0	J	JQ	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JS060DL	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12294752	pH: 1.0	Sample Date: 07152012	Sample Time: 17:02:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	10	ug/L	2.0	U	R	No	S4VEM
Chloromethane	10	ug/L	2.0	U	R	No	S4VEM
Vinyl chloride	10	ug/L	2.0	U	R	No	S4VEM
Bromomethane	10	ug/L	2.0	U	R	No	S4VEM
Chloroethane	10	ug/L	2.0	U	R	No	S4VEM
Trichlorofluorom ethane	10	ug/L	2.0	U	R	No	S4VEM
1,1-Dichloroethene	10	ug/L	2.0	U	R	No	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	10	ug/L	2.0	U	R	No	S4VEM
Acetone	8.9	ug/L	2.0	JD	R	No	S4VEM
Carbon Disulfide	10	ug/L	2.0	U	R	No	S4VEM
Methyl acetate	10	ug/L	2.0	U	R	No	S4VEM
Methylene chloride	3.1	ug/L	2.0	JD	R	No	S4VEM
trans-1,2-Dichloroethene	10	ug/L	2.0	U	R	No	S4VEM
Methyl tert-butyl ether	10	ug/L	2.0	U	R	No	S4VEM
1,1-Dichloroethane	10	ug/L	2.0	U	R	No	S4VEM
cis-1,2-Dichloroethene	10	ug/L	2.0	U	R	No	S4VEM
2-Butanone	20	ug/L	2.0	U	R	No	S4VEM
Bromochloromet hane	10	ug/L	2.0	U	R	No	S4VEM
Chloroform	2.4	ug/L	2.0	JD	R	No	S4VEM
1,1,1-Trichloroethane	10	ug/L	2.0	U	R	No	S4VEM
Cyclohexane	10	ug/L	2.0	U	R	No	S4VEM
Carbon tetrachloride	10	ug/L	2.0	U	R	No	S4VEM
Benzene	10	ug/L	2.0	U	R	No	S4VEM
1,2-Dichloroethane	10	ug/L	2.0	U	R	No	S4VEM
1,4-Dioxane	200	ug/L	2.0	U	R	No	S4VEM
Trichloroethene	10	ug/L	2.0	U	R	No	S4VEM
Methylcyclohexa ne	10	ug/L	2.0	U	R	No	S4VEM
1,2-Dichloropropane	10	ug/L	2.0	U	R	No	S4VEM
Bromodichlorom	10	ug/L	2.0	U	R	No	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	10	ug/L	2.0	U	R	No	S4VEM
cis-1,3-Dichloropropene	10	ug/L	2.0	U	R	No	S4VEM
4-Methyl-2-pentanone	20	ug/L	2.0	U	R	No	S4VEM
Toluene	230	ug/L	2.0	BD	JK	Yes	S4VEM
trans-1,3-Dichloropropene	10	ug/L	2.0	U	R	No	S4VEM
1,1,2-Trichloroethane	10	ug/L	2.0	U	R	No	S4VEM
Tetrachloroethane	5.6	ug/L	2.0	JD	R	No	S4VEM
2-Hexanone	20	ug/L	2.0	U	R	No	S4VEM
Dibromochloromethane	10	ug/L	2.0	U	R	No	S4VEM
1,2-Dibromoethane	10	ug/L	2.0	U	R	No	S4VEM
Chlorobenzene	10	ug/L	2.0	U	R	No	S4VEM
Ethylbenzene	0.89	ug/L	2.0	JD	R	No	S4VEM
o-Xylene	10	ug/L	2.0	U	R	No	S4VEM
m,p-Xylene	1.2	ug/L	2.0	JD	R	No	S4VEM
Styrene	10	ug/L	2.0	U	R	No	S4VEM
Bromoform	10	ug/L	2.0	U	R	No	S4VEM
Isopropylbenzene	10	ug/L	2.0	U	R	No	S4VEM
1,1,2,2-Tetrachloroethane	10	ug/L	2.0	U	R	No	S4VEM
1,3-Dichlorobenzene	10	ug/L	2.0	U	R	No	S4VEM
1,4-Dichlorobenzene	10	ug/L	2.0	U	R	No	S4VEM
1,2-Dichlorobenzene	10	ug/L	2.0	U	R	No	S4VEM
1,2-Dibromo-3-chloropropane	10	ug/L	2.0	U	R	No	S4VEM
1,2,4-Trichlorobenzene	10	ug/L	2.0	U	R	No	S4VEM
1,2,3-Trichlorobenzene	10	ug/L	2.0	U	R	No	S4VEM

Case No:	42677	Contract:	EPW11032	SDG No:	JRZ77	Lab Code:	LIBRTY
Sample Number:	JS061	Method:	VOA_Low_Med	Matrix:	Water	MA Number:	DEFAULT
Sample Location:	12294753	pH:	1.0	Sample Date:	07152012	Sample Time:	17:06:00
% Moisture :				% Solids :			

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	0.90	ug/L	1.0	J	JQ	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	7.8	ug/L	1.0	J	JQ	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	5.0	ug/L	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	U	U	Yes	S4VEM
Bromochloromet hane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	36	ug/L	1.0			Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	370	ug/L	1.0	E	R	No	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	0.58	ug/L	1.0	J	IQ	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JR277	Lab Code: LIBRTY
Sample Number: JS061DL	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12294753	pH: 1.0	Sample Date: 07152012	Sample Time: 17:06:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	25	ug/L	5.0	U	R	No	S4VEM
Chloromethane	25	ug/L	5.0	U	R	No	S4VEM
Vinyl chloride	25	ug/L	5.0	U	R	No	S4VEM
Bromomethane	25	ug/L	5.0	U	R	No	S4VEM
Chloroethane	25	ug/L	5.0	U	R	No	S4VEM
Trichlorofluoroethane	25	ug/L	5.0	U	R	No	S4VEM
1,1-Dichloroethene	25	ug/L	5.0	U	R	No	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	25	ug/L	5.0	U	R	No	S4VEM
Acetone	34	ug/L	5.0	JD	R	No	S4VEM
Carbon Disulfide	25	ug/L	5.0	U	R	No	S4VEM
Methyl acetate	25	ug/L	5.0	U	R	No	S4VEM
Methylene chloride	25	ug/L	5.0	JBD	R	No	S4VEM
trans-1,2-Dichloroethene	25	ug/L	5.0	U	R	No	S4VEM
Methyl tert-butyl ether	25	ug/L	5.0	U	R	No	S4VEM
1,1-Dichloroethane	25	ug/L	5.0	U	R	No	S4VEM
cis-1,2-Dichloroethene	25	ug/L	5.0	U	R	No	S4VEM
2-Butanone	50	ug/L	5.0	U	R	No	S4VEM
Bromochloromethane	25	ug/L	5.0	U	R	No	S4VEM
Chloroform	25	ug/L	5.0	U	R	No	S4VEM
1,1,1-Trichloroethane	25	ug/L	5.0	U	R	No	S4VEM
Cyclohexane	25	ug/L	5.0	U	R	No	S4VEM
Carbon tetrachloride	25	ug/L	5.0	U	R	No	S4VEM
Benzene	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dichloroethane	25	ug/L	5.0	U	R	No	S4VEM
1,4-Dioxane	500	ug/L	5.0	U	R	No	S4VEM
Trichloroethene	25	ug/L	5.0	U	R	No	S4VEM
Methylcyclohexane	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dichloropropane	25	ug/L	5.0	U	R	No	S4VEM
Bromodichloromethane	25	ug/L	5.0	U	R	No	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	25	ug/L	5.0	U	R	No	S4VEM
cis-1,3-Dichloropropene	25	ug/L	5.0	U	R	No	S4VEM
4-Methyl-2-pentanone	50	ug/L	5.0	U	R	No	S4VEM
Toluene	36	ug/L	5.0	D	R	No	S4VEM
trans-1,3-Dichloropropene	25	ug/L	5.0	U	R	No	S4VEM
1,1,2-Trichloroethane	25	ug/L	5.0	U	R	No	S4VEM
Tetrachloroethane	320	ug/L	5.0	D	JK	Yes	S4VEM
2-Hexanone	50	ug/L	5.0	U	R	No	S4VEM
Dibromochloromethane	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dibromoethane	25	ug/L	5.0	U	R	No	S4VEM
Chlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
Ethylbenzene	25	ug/L	5.0	U	R	No	S4VEM
o-Xylene	25	ug/L	5.0	U	R	No	S4VEM
m,p-Xylene	25	ug/L	5.0	U	R	No	S4VEM
Styrene	25	ug/L	5.0	U	R	No	S4VEM
Bromoform	25	ug/L	5.0	U	R	No	S4VEM
Isopropylbenzene	25	ug/L	5.0	U	R	No	S4VEM
1,1,2,2-Tetrachloroethane	25	ug/L	5.0	U	R	No	S4VEM
1,3-Dichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
1,4-Dichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
1,2-Dibromo-3-chloropropane	25	ug/L	5.0	U	R	No	S4VEM
1,2,4-Trichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM
1,2,3-Trichlorobenzene	25	ug/L	5.0	U	R	No	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JS062	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12294754	pH: 1.0	Sample Date: 07152012	Sample Time: 17:30:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	38	ug/L	1.0		JH	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	5.0	ug/L	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	U	U	Yes	S4VEM
Bromochloromet hane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	U	UJK	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	5.0	ug/L	1.0	U	UJK	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	12	ug/L	1.0			Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	170	ug/L	1.0		JK	Yes	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	0.42	ug/L	1.0	J	JQ	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropyl Alcohol	23	ug/L	1.0	JN	JN	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JS063	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12294757	pH: 1.0	Sample Date: 07172012	Sample Time: 09:45:00
% Moisture :		% Solids :	

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoromethane	100	ug/L	20.0	U	U	Yes	S4VEM
Chloromethane	100	ug/L	20.0	U	U	Yes	S4VEM
Vinyl chloride	100	ug/L	20.0	U	U	Yes	S4VEM
Bromomethane	100	ug/L	20.0	U	U	Yes	S4VEM
Chloroethane	100	ug/L	20.0	U	U	Yes	S4VEM
Trichlorofluoroethane	100	ug/L	20.0	U	U	Yes	S4VEM
1,1-Dichloroethene	100	ug/L	20.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	100	ug/L	20.0	U	U	Yes	S4VEM
Acetone	29000	ug/L	20.0	E	R	No	S4VEM
Carbon Disulfide	100	ug/L	20.0	U	U	Yes	S4VEM
Methyl acetate	100	ug/L	20.0	U	U	Yes	S4VEM
Methylene chloride	100	ug/L	20.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	100	ug/L	20.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	100	ug/L	20.0	U	U	Yes	S4VEM
1,1-Dichloroethane	100	ug/L	20.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	100	ug/L	20.0	U	U	Yes	S4VEM
2-Butanone	200	ug/L	20.0	U	U	Yes	S4VEM
Bromochloromethane	100	ug/L	20.0	U	U	Yes	S4VEM
Chloroform	100	ug/L	20.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	100	ug/L	20.0	U	U	Yes	S4VEM
Cyclohexane	100	ug/L	20.0	U	U	Yes	S4VEM
Carbon tetrachloride	100	ug/L	20.0	U	U	Yes	S4VEM
Benzene	100	ug/L	20.0	U	U	Yes	S4VEM
1,2-Dichloroethane	100	ug/L	20.0	U	U	Yes	S4VEM
1,4-Dioxane	2000	ug/L	20.0	U	R	Yes	S4VEM
Trichloroethene	100	ug/L	20.0	U	U	Yes	S4VEM
Methylcyclohexane	100	ug/L	20.0	U	U	Yes	S4VEM
1,2-Dichloropropane	100	ug/L	20.0	U	U	Yes	S4VEM
Bromodichloromethane	100	ug/L	20.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	100	ug/L	20.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	100	ug/L	20.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	32	ug/L	20.0	J	JQ	Yes	S4VEM
Toluene	21	ug/L	20.0	J	JQ	Yes	S4VEM
trans-1,3-Dichloropropene	100	ug/L	20.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	100	ug/L	20.0	U	U	Yes	S4VEM
Tetrachloroethene	100	ug/L	20.0	U	U	Yes	S4VEM
2-Hexanone	200	ug/L	20.0	U	U	Yes	S4VEM
Dibromochloroethane	100	ug/L	20.0	U	U	Yes	S4VEM
1,2-Dibromoethane	100	ug/L	20.0	U	U	Yes	S4VEM
Chlorobenzene	100	ug/L	20.0	U	U	Yes	S4VEM
Ethylbenzene	100	ug/L	20.0	U	U	Yes	S4VEM
o-Xylene	100	ug/L	20.0	U	U	Yes	S4VEM
m,p-Xylene	100	ug/L	20.0	U	U	Yes	S4VEM
Styrene	100	ug/L	20.0	U	U	Yes	S4VEM
Bromoform	100	ug/L	20.0	U	U	Yes	S4VEM
Isopropylbenzene	100	ug/L	20.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	100	ug/L	20.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	100	ug/L	20.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	100	ug/L	20.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	100	ug/L	20.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	100	ug/L	20.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	100	ug/L	20.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	100	ug/L	20.0	U	U	Yes	S4VEM
Benzene, 1,2,4,5-tetramethyl-	120	ug/L	20.0	JN	JN	Yes	S4VEM
Propene	3300	ug/L	20.0	JN	JN	Yes	S4VEM
Benzene, 1,2,3,4-tetramethyl-	240	ug/L	20.0	JN	JN	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JS063DL	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12294757	pH: 1.0	Sample Date: 07172012	Sample Time: 09:45:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5000	ug/L	1000.0	U	R	No	S4VEM
Chloromethane	5000	ug/L	1000.0	U	R	No	S4VEM
Vinyl chloride	5000	ug/L	1000.0	U	R	No	S4VEM
Bromomethane	5000	ug/L	1000.0	U	R	No	S4VEM
Chloroethane	5000	ug/L	1000.0	U	R	No	S4VEM
Trichlorofluorom ethane	5000	ug/L	1000.0	U	R	No	S4VEM
1,1-Dichloroethene	5000	ug/L	1000.0	U	R	No	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5000	ug/L	1000.0	U	R	No	S4VEM
Acetone	6500	ug/L	1000.0	JD	R JH	Yes	S4VEM
Carbon Disulfide	5000	ug/L	1000.0	U	R	No	S4VEM
Methyl acetate	5000	ug/L	1000.0	U	R	No	S4VEM
Methylene chloride	5000	ug/L	1000.0	JBD	R	No	S4VEM
trans-1,2-Dichloroethene	5000	ug/L	1000.0	U	R	No	S4VEM
Methyl tert-butyl ether	5000	ug/L	1000.0	U	R	No	S4VEM
1,1-Dichloroethane	5000	ug/L	1000.0	U	R	No	S4VEM
cis-1,2-Dichloroethene	5000	ug/L	1000.0	U	R	No	S4VEM
2-Butanone	10000	ug/L	1000.0	U	R	No	S4VEM
Bromochloromet hane	5000	ug/L	1000.0	U	R	No	S4VEM
Chloroform	5000	ug/L	1000.0	U	R	No	S4VEM
1,1,1-Trichloroethane	5000	ug/L	1000.0	U	R	No	S4VEM
Cyclohexane	5000	ug/L	1000.0	U	R	No	S4VEM
Carbon tetrachloride	5000	ug/L	1000.0	U	R	No	S4VEM
Benzene	5000	ug/L	1000.0	U	R	No	S4VEM
1,2-Dichloroethane	5000	ug/L	1000.0	U	R	No	S4VEM
1,4-Dioxane	100000	ug/L	1000.0	U	R	No	S4VEM
Trichloroethene	5000	ug/L	1000.0	U	R	No	S4VEM
Methylcyclohexa ne	5000	ug/L	1000.0	U	R	No	S4VEM
1,2-Dichloropropane	5000	ug/L	1000.0	U	R	No	S4VEM
Bromodichlorom	5000	ug/L	1000.0	U	R	No	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5000	ug/L	1000.0	U	R	No	S4VEM
cis-1,3-Dichloropropene	5000	ug/L	1000.0	U	R	No	S4VEM
4-Methyl-2-pentanone	10000	ug/L	1000.0	U	R	No	S4VEM
Toluene	420	ug/L	1000.0	JD	R	No	S4VEM
trans-1,3-Dichloropropene	5000	ug/L	1000.0	U	R	No	S4VEM
1,1,2-Trichloroethane	5000	ug/L	1000.0	U	R	No	S4VEM
Tetrachloroethane	5000	ug/L	1000.0	U	R	No	S4VEM
2-Hexanone	10000	ug/L	1000.0	U	R	No	S4VEM
Dibromochloromethane	5000	ug/L	1000.0	U	R	No	S4VEM
1,2-Dibromoethane	5000	ug/L	1000.0	U	R	No	S4VEM
Chlorobenzene	5000	ug/L	1000.0	U	R	No	S4VEM
Ethylbenzene	5000	ug/L	1000.0	U	R	No	S4VEM
o-Xylene	5000	ug/L	1000.0	U	R	No	S4VEM
m,p-Xylene	5000	ug/L	1000.0	U	R	No	S4VEM
Styrene	5000	ug/L	1000.0	U	R	No	S4VEM
Bromoform	5000	ug/L	1000.0	U	R	No	S4VEM
Isopropylbenzene	5000	ug/L	1000.0	U	R	No	S4VEM
1,1,2,2-Tetrachloroethane	5000	ug/L	1000.0	U	R	No	S4VEM
1,3-Dichlorobenzene	5000	ug/L	1000.0	U	R	No	S4VEM
1,4-Dichlorobenzene	5000	ug/L	1000.0	U	R	No	S4VEM
1,2-Dichlorobenzene	5000	ug/L	1000.0	U	R	No	S4VEM
1,2-Dibromo-3-chloropropane	5000	ug/L	1000.0	U	R	No	S4VEM
1,2,4-Trichlorobenzene	5000	ug/L	1000.0	U	R	No	S4VEM
1,2,3-Trichlorobenzene	5000	ug/L	1000.0	U	R	No	S4VEM
Isopropyl Alcohol	800000	ug/L	1000.0	JDN	R	No	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JRZ77	Lab Code: LIBRTY
Sample Number: JS066	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12284757	pH: 1.0	Sample Date: 07132012	Sample Time: 08:35:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	8.5	ug/L	1.0	J	U	Yes	S4VEM
Carbon Disulfide	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	5.0	ug/L	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	U	U	Yes	S4VEM
Bromochloromet hane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylcyclohexa ne	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	0.54 50	ug/L	1.0	J	U	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropyl Alcohol	49	ug/L	1.0	JN	JN	Yes	S4VEM

Case No: 42677	Contract: EPW11032	SDG No: JR277	Lab Code: LIBR7Y
Sample Number: JS067	Method: VOA_Low_Med	Matrix: Water	MA Number: DEFAULT
Sample Location: 12284802	pH: 1.0	Sample Date: 07132012	Sample Time: 14:15:00
% Moisture :	% Solids :		

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
Dichlorodifluoro methane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Vinyl chloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromomethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Trichlorofluorom ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloro-1,2,2-trifluoroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Acetone	4.6	ug/L	1.0	J	J	Yes	S4VEM
Carbon Disulfide	0.86	ug/L	1.0	J	J	Yes	S4VEM
Methyl acetate	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylene chloride	5.0	ug/L	1.0	JB	U	Yes	S4VEM
trans-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methyl tert-butyl ether	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,2-Dichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Butanone	10	ug/L	1.0	U	U	Yes	S4VEM
Bromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chloroform	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,1-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Cyclohexane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Carbon tetrachloride	5.0	ug/L	1.0	U	U	Yes	S4VEM
Benzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dioxane	100	ug/L	1.0	U	R	Yes	S4VEM
Trichloroethene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Methylcyclohexane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromodichlorom	5.0	ug/L	1.0	U	U	Yes	S4VEM

Analyte Name	Result	Units	Dilution Factor	Lab Flag	Validation	Reportable	Validation Level
ethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
cis-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
4-Methyl-2-pentanone	10	ug/L	1.0	U	U	Yes	S4VEM
Toluene	0.57 5.0	ug/L	1.0	J	U	Yes	S4VEM
trans-1,3-Dichloropropene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2-Trichloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
2-Hexanone	10	ug/L	1.0	U	U	Yes	S4VEM
Dibromochloromethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromoethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
Chlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Ethylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
o-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
m,p-Xylene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Styrene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Bromoform	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropylbenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,1,2,2-Tetrachloroethane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,3-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,4-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2-Dibromo-3-chloropropane	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,4-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
1,2,3-Trichlorobenzene	5.0	ug/L	1.0	U	U	Yes	S4VEM
Isopropyl Alcohol	6.4	ug/L	1.0	JN	JN	Yes	S4VEM